



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 11991485
SAU: MSAD 05
School: Owls Head Central School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science and Technology Results	10-12

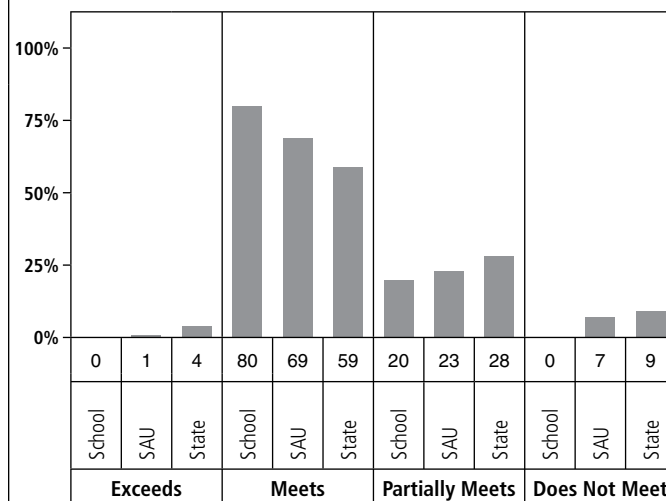
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: MSAD 05
School: Owls Head Central School

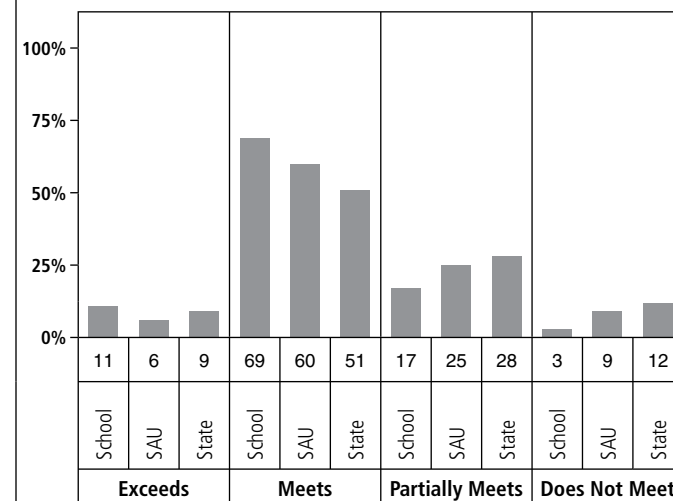
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	444	444	444
2006–2007	446	444	445
2007–2008	447	445	445
Cum. Avg. *	446	444	445
Mathematics			
2005–2006	451	445	444
2006–2007	446	442	445
2007–2008	451	447	445
Cum. Avg. *	449	445	445
Science & Technology			
2005–2006	444	441	444
2006–2007	441	440	444
2007–2008	444	442	444
Cum. Avg. *	443	441	444

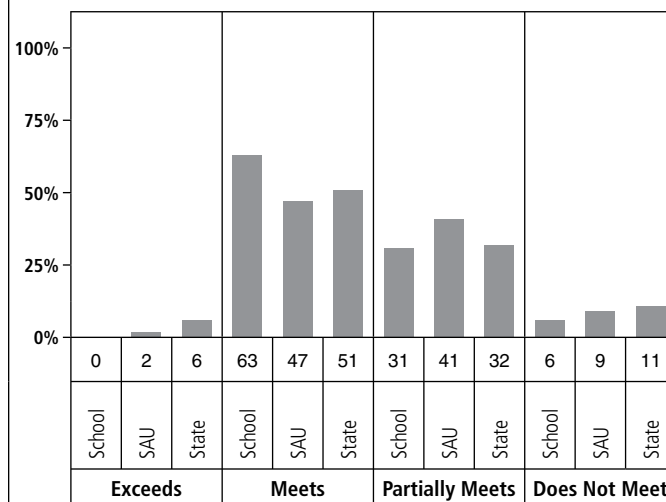
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 4
SAU: MSAD 05
School: Owls Head Central School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology						School			SAU		
	School		SAU		State		School		SAU		State		School		SAU		State													
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	35	100	99	100	14207	100	35	100	99	100	14181	100	35	100	99	100	14123	100	35	100	99	100	14115	99						
Ethnicity African American/Black	1	3	1	1	390	3	1	100	1	100	388	99	1	100	1	100	388	99	1	100	1	100	386	99						
American Indian or Native Alaskan	0	0	0	0	101	1	0	0	0	0	101	100	0	0	0	0	101	100	0	0	0	0	101	100						
Asian or Pacific Islander	0	0	1	1	263	2	0	0	1	100	259	98	0	0	1	100	262	100	0	0	1	100	262	100						
Hispanic	0	0	1	1	170	1	0	0	1	100	168	99	0	0	1	100	166	98	0	0	1	100	166	98						
Caucasian/White	34	97	96	97	13282	93	34	100	96	100	13264	100	34	100	96	100	13205	100	34	100	96	100	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100						
Identified disability	1	3	12	12	2524	18	1	100	12	100	2514	100	1	100	12	100	2498	99	1	100	12	100	2494	99						
Current LEP	0	0	0	0	385	3	0	0	0	0	377	98	0	0	0	0	383	99	0	0	0	0	380	99						
Economically disadvantaged	10	29	46	46	5587	39	10	100	46	100	5569	100	10	100	46	100	5538	99	10	100	46	100	5534	99						
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	35	100	89	90	10755	76	35	100	89	90	10730	76	35	100	89	90	10776	76						
Identified disability (PET/IEP)	1	3	2	2	375	3	1	3	2	2	374	3	1	3	2	2	384	4						
LEP	0	0	0	0	148	1	0	0	0	0	148	1	0	0	0	0	150	1						
504 plan	0	0	0	0	114	1	0	0	0	0	114	1	0	0	0	0	115	1						
Participation with accommodations	0	0	10	10	3298	23	0	0	10	10	3267	23	0	0	10	10	3215	23						
Identified disability (PET/IEP)	0	0	10	100	2013	61	0	0	10	100	1998	61	0	0	10	100	1986	62						
LEP	0	0	0	0	225	7	0	0	0	0	233	7	0	0	0	0	229	7						
504 plan	0	0	0	0	69	2	0	0	0	0	68	2	0	0	0	0	67	2						
Other	0	0	0	0	1046	32	0	0	0	0	1023	31	0	0	0	0	987	31						
Participation through alternate assessment (PAAP)	0	0	0	0	126	1	0	0	0	0	126	1	0	0	0	0	124	1						
Identified disability (PET/IEP)	0	0	0	0	126	100	0	0	0	0	126	100	0	0	0	0	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	0	0	0	0	11	0	0	0	0	0	68	0	0	0	0	0	80	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: MSAD 05
School: Owls Head Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	0	0	2	2	601	4
	2006-2007	0	0	1	1	507	4
	2007-2008	0	0	1	1	559	4
	Cum. Total*	0	0	4	1	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	21	68	50	55	7910	57
	2006-2007	24	69	61	59	8749	63
	2007-2008	28	80	68	69	8308	59
	Cum. Total*	73	72	179	61	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	7	23	29	32	3970	29
	2006-2007	11	31	36	35	3467	25
	2007-2008	7	20	23	23	3922	28
	Cum. Total*	25	25	88	30	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	3	10	10	11	1421	10
	2006-2007	0	0	6	6	1165	8
	2007-2008	0	0	7	7	1264	9
	Cum. Total*	3	3	23	8	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	32.4	67.5	30.6	63.8	29.7	61.9
Literary Text	24	50	16.7	69.6	15.8	65.8	15.5	64.6
Informational Text	24	50	15.7	65.4	14.8	61.7	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 4
SAU: MSAD 05
School: Owls Head Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	35	0	0	28	80	7	20	0	0	447	99	1	69	23	7	445	14053	4	59	28	9	445
Ethnicity																						
African American/Black	1										1						384	1	36	35	28	438
American Indian or Native Alaskan	0										0						101	1	46	44	10	442
Asian or Pacific Islander	0										1						259	6	61	22	11	445
Hispanic	0										1						164	0	45	38	16	440
Caucasian/White	34	0	0	27	79	7	21	0	0	447	96	1	68	24	7	445	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	1										12	0	25	42	33	436	2388	0	29	44	26	437
No	34	0	0	28	82	6	18	0	0	448	87	1	75	21	3	447	11665	5	65	25	6	446
Current LEP																						
Yes	0										0						373	1	32	35	32	436
No	35	0	0	28	80	7	20	0	0	447	99	1	69	23	7	445	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	10	0	0	6	60	4	40	0	0	443	46	0	48	37	15	442	5502	1	47	37	14	441
No	25	0	0	22	88	3	12	0	0	449	53	2	87	11	0	449	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	35	0	0	28	80	7	20	0	0	447	99	1	69	23	7	445	14048	4	59	28	9	445
Gender																						
Female	20	0	0	18	90	2	10	0	0	450	60	2	68	23	7	447	6959	5	61	26	8	446
Male	15	0	0	10	67	5	33	0	0	445	39	0	69	23	8	443	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										21	0	38	38	24	441	1890	0	37	46	17	439
No	35	0	0	28	80	7	20	0	0	447	78	1	77	19	3	447	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										1						266	21	74	4	0	456
No	35	0	0	28	80	7	20	0	0	447	98	0	69	23	7	445	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: MSAD 05
School: Owls Head Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										2	0	50	50	0	443	5	1	42	36	21	440
B. less than one hour	66	0	0	19	83	4	17	0	0	448	78	1	68	22	9	445	74	4	62	27	7	445
C. one to two hours	31	0	0	8	73	3	27	0	0	446	18	0	72	28	0	446	18	5	59	29	7	446
D. more than two hours	3	0	0	1	100	0	0	0	0	450	2	0	100	0	0	446	2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	31	0	0	8	73	3	27	0	0	446	25	4	64	28	4	446	30	6	63	24	7	446
B. They match some of what I have learned.	60	0	0	18	86	3	14	0	0	448	59	0	76	17	7	446	52	4	63	27	6	446
C. They match just a little of what I have learned.	6	0	0	2	100	0	0	0	0	452	13	0	62	23	15	444	12	2	46	37	15	441
D. There is no match.	3	0	0	0	0	1	100	0	0	434	3	0	0	100	0	437	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	57	0	0	20	100	0	0	0	0	451	38	3	89	5	3	450	35	7	66	20	6	448
B. good	37	0	0	6	46	7	54	0	0	442	53	0	52	38	10	443	51	3	60	29	7	445
C. fair	0										7	0	71	14	14	443	12	1	44	40	16	440
D. poor	6	0	0	2	100	0	0	0	0	451	2	0	100	0	0	451	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	12	0	0	2	50	2	50	0	0	444	9	0	22	44	33	438	19	2	46	34	17	442
B. about the same as my regular schoolwork	65	0	0	18	82	4	18	0	0	447	74	1	72	22	4	446	62	5	64	26	5	446
C. easier than my regular schoolwork	24	0	0	7	88	1	13	0	0	450	16	0	81	13	6	448	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	17	0	0	3	50	3	50	0	0	443	15	0	47	40	13	441	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	34	0	0	8	67	4	33	0	0	445	48	0	68	23	9	445	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	49	0	0	17	100	0	0	0	0	451	37	3	78	17	3	449	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	29	0	0	10	100	0	0	0	0	449	29	0	83	14	3	447	18	7	64	22	7	447
B. 20 minutes to an hour	66	0	0	17	74	6	26	0	0	447	47	2	72	19	6	447	55	4	64	26	6	446
C. less than 20 minutes	6	0	0	1	50	1	50	0	0	443	14	0	50	43	7	442	14	2	53	33	12	443
D. I rarely read at home.	0										9	0	33	44	22	438	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	6	0	0	1	50	1	50	0	0	446	27	0	58	35	8	444	23	3	50	34	13	442
B. six to ten pages	9	0	0	2	67	1	33	0	0	443	27	4	69	12	15	445	25	3	60	29	8	444
C. eleven or more pages	85	0	0	24	83	5	17	0	0	448	45	0	79	19	2	447	52	5	64	24	6	446
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	438	14	0	0	100	0	438						
B.	0										14	0	0	100	0	440						
C.	67	0	0	2	100	0	0	0	0	445	57	0	50	25	25	440						
D.	0										14	0	100	0	0	442						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: MSAD 05
School: Owls Head Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	7	23	14	15	1294	9
	2006-2007	2	6	6	6	1054	8
	2007-2008	4	11	6	6	1321	9
	Cum. Total*	13	13	26	9	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	18	58	45	49	7000	50
	2006-2007	21	60	49	47	7394	53
	2007-2008	24	69	59	60	7079	51
	Cum. Total*	63	62	153	52	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	5	16	20	22	3784	27
	2006-2007	10	29	33	32	3729	27
	2007-2008	6	17	25	25	3955	28
	Cum. Total*	21	21	78	27	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	1	3	12	13	1894	14
	2006-2007	2	6	16	15	1735	12
	2007-2008	1	3	9	9	1642	12
	Cum. Total*	4	4	37	13	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	11.2	74.7	10.3	68.7	9.5	63.3
Cluster 2: Shape and Size	14	29	9.4	67.1	9.0	64.3	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.9	78.0	3.4	68.0	3.4	68.0
Cluster 4: Patterns	14	29	10.5	75.0	10.0	71.4	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 4
SAU: MSAD 05
School: Owls Head Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	35	4	11	24	69	6	17	1	3	451	99	6	60	25	9	447	13997	9	51	28	12	445
Ethnicity																						
African American/Black	1										1						386	4	26	34	36	434
American Indian or Native Alaskan	0										0						101	3	46	41	11	442
Asian or Pacific Islander	0										1						262	14	51	23	12	447
Hispanic	0										1						162	4	41	34	21	440
Caucasian/White	34	4	12	23	68	6	18	1	3	451	96	6	58	26	9	447	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	1										12	0	17	50	33	434	2372	3	31	36	30	436
No	34	4	12	24	71	6	18	0	0	452	87	7	66	22	6	449	11625	11	54	27	8	447
Current LEP																						
Yes	0										0						381	4	33	28	35	435
No	35	4	11	24	69	6	17	1	3	451	99	6	60	25	9	447	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	10	0	0	7	70	2	20	1	10	444	46	0	46	37	17	441	5472	5	41	35	19	440
No	25	4	16	17	68	4	16	0	0	454	53	11	72	15	2	452	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	35	4	11	24	69	6	17	1	3	451	99	6	60	25	9	447	13992	9	51	28	12	445
Gender																						
Female	20	3	15	15	75	2	10	0	0	454	60	8	58	23	10	448	6933	9	50	29	12	445
Male	15	1	7	9	60	4	27	1	7	446	39	3	62	28	8	446	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										21	5	33	48	14	442	1890	2	34	41	23	438
No	35	4	11	24	69	6	17	1	3	451	78	6	67	19	8	448	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										1						266	45	49	5	0	461
No	35	4	11	24	69	6	17	1	3	451	98	5	60	26	9	447	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: MSAD 05

School: Owls Head Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										2	0	50	0	50	438	5	6	34	33	27	438
B. less than one hour	66	4	17	13	57	5	22	1	4	451	78	8	56	27	9	447	74	10	52	28	10	446
C. one to two hours	31	0	0	10	91	1	9	0	0	450	18	0	78	22	0	448	18	10	52	28	10	446
D. more than two hours	3	0	0	1	100	0	0	0	0	454	2	0	50	0	50	437	2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	29	2	20	7	70	1	10	0	0	455	31	10	68	23	0	451	38	13	56	23	8	448
B. They match some of what I have learned.	69	2	8	16	67	5	21	1	4	449	55	6	57	26	11	446	48	8	52	29	10	445
C. They match just a little of what I have learned.	3	0	0	1	100	0	0	0	0	446	12	0	58	25	17	442	10	4	35	39	22	439
D. There is no match.	0										2	0	0	50	50	428	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	51	2	11	15	83	1	6	0	0	454	32	13	75	9	3	453	35	16	55	20	8	449
B. good	31	0	0	7	64	4	36	0	0	446	44	0	55	39	7	445	48	7	52	31	11	445
C. fair	14	2	40	2	40	1	20	0	0	457	20	10	50	25	15	445	14	3	41	38	18	440
D. poor	3	0	0	0	0	0	0	1	100	412	3	0	33	0	67	427	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	15	0	0	1	20	3	60	1	20	434	16	0	25	56	19	437	15	4	38	33	25	439
B. about the same as my regular schoolwork	59	2	10	15	75	3	15	0	0	453	62	5	64	23	8	448	64	10	54	28	9	446
C. easier than my regular schoolwork	26	2	22	7	78	0	0	0	0	455	21	14	71	10	5	452	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	20	1	14	6	86	0	0	0	0	455	30	7	63	10	20	446	23	8	47	29	16	443
B. two or three days a week	17	1	17	4	67	1	17	0	0	453	35	3	57	34	6	446	36	11	54	27	9	447
C. two or three times each month	57	2	10	12	60	5	25	1	5	449	29	7	62	28	3	448	25	10	53	27	10	446
D. never or almost never	6	0	0	2	100	0	0	0	0	453	5	20	40	40	0	450	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	3	0	0	1	100	0	0	0	0	460	3	0	33	33	33	442	5	3	30	33	33	436
B. two or three days a week	9	0	0	2	67	0	0	1	33	437	23	0	70	17	13	447	19	8	50	30	12	445
C. two or three times each month	74	3	12	18	69	5	19	0	0	452	49	10	59	24	6	448	38	11	55	26	8	447
D. never or almost never	14	1	20	3	60	1	20	0	0	454	24	4	54	33	8	445	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	3	0	0	0	0	0	0	1	100	412	7	0	43	29	29	438	8	3	33	38	25	438
B. 30–45 minutes	11	1	25	3	75	0	0	0	0	459	28	4	57	29	11	447	27	6	48	33	13	443
C. 45–60 minutes	74	2	8	18	69	6	23	0	0	450	43	7	67	23	2	449	38	11	54	26	9	447
D. more than 60 minutes	11	1	25	3	75	0	0	0	0	461	21	10	52	24	14	446	26	13	55	23	9	448
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	430	14	0	0	100	0	430						
B.	0										14	0	0	100	0	440						
C.	67	0	0	1	50	1	50	0	0	446	57	0	25	75	0	441						
D.	0										14	0	100	0	0	448						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008

Grade: 4

SAU: MSAD 05

School: Owls Head Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	1	3	3	3	751	5
	2006-2007	0	0	2	2	963	7
	2007-2008	0	0	2	2	882	6
	Cum. Total*	1	1	7	2	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	16	52	42	46	7251	52
	2006-2007	13	37	44	42	6824	49
	2007-2008	22	63	47	47	7130	51
	Cum. Total*	51	50	133	45	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	12	39	34	37	4514	32
	2006-2007	19	54	40	38	4382	32
	2007-2008	11	31	41	41	4433	32
	Cum. Total*	42	42	115	39	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	2	6	12	13	1458	10
	2006-2007	3	9	18	17	1735	12
	2007-2008	2	6	9	9	1546	11
	Cum. Total*	7	7	39	13	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	8.3	69.2	7.4	61.7	8.0	66.7
Cluster 2: Physical Sciences	12	25	6.6	55.0	6.4	53.3	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	7.3	60.8	7.3	60.8	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	8.5	70.8	7.7	64.2	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslg/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 4
SAU: MSAD 05
School: Owls Head Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	35	0	0	22	63	11	31	2	6	444	99	2	47	41	9	442	13991	6	51	32	11	444
Ethnicity																						
African American/Black	1										1						385	2	27	35	36	434
American Indian or Native Alaskan	0										0						101	3	44	44	10	441
Asian or Pacific Islander	0										1						262	5	52	28	14	443
Hispanic	0										1						162	2	38	39	21	439
Caucasian/White	34	0	0	21	62	11	32	2	6	444	96	2	47	42	9	442	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	1										12	0	25	50	25	433	2370	2	32	41	25	437
No	34	0	0	22	65	11	32	1	3	445	87	2	51	40	7	443	11621	7	55	30	8	445
Current LEP																						
Yes	0										0						379	1	25	35	39	433
No	35	0	0	22	63	11	31	2	6	444	99	2	47	41	9	442	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	10	0	0	5	50	3	30	2	20	438	46	0	39	41	20	438	5470	3	41	39	18	440
No	25	0	0	17	68	8	32	0	0	446	53	4	55	42	0	445	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	35	0	0	22	63	11	31	2	6	444	99	2	47	41	9	442	13986	6	51	32	11	444
Gender																						
Female	20	0	0	14	70	5	25	1	5	446	60	3	43	45	8	442	6929	6	49	33	12	443
Male	15	0	0	8	53	6	40	1	7	442	39	0	54	36	10	441	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										21	0	19	62	19	435	1888	1	32	44	23	437
No	35	0	0	22	63	11	31	2	6	444	78	3	55	36	6	443	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										1						266	30	65	5	1	457
No	35	0	0	22	63	11	31	2	6	444	98	2	47	42	9	441	13725	6	51	32	11	444

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: MSAD 05

School: Owls Head Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										2	0	50	50	0	439	5	4	37	36	22	439
B. less than one hour	66	0	0	15	65	7	30	1	4	445	78	3	47	42	9	442	74	6	53	31	10	444
C. one to two hours	31	0	0	6	55	4	36	1	9	443	18	0	50	39	11	442	18	7	52	32	8	445
D. more than two hours	3	0	0	1	100	0	0	0	0	444	2	0	50	50	0	441	2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	6	0	0	1	50	1	50	0	0	450	8	0	38	50	13	439	24	9	53	28	10	446
B. They match some of what I have learned.	57	0	0	15	75	4	20	1	5	445	44	5	52	36	7	444	49	6	54	31	9	445
C. They match just a little of what I have learned.	31	0	0	6	55	5	45	0	0	443	35	0	46	46	9	441	21	4	47	36	13	442
D. There is no match.	6	0	0	0	0	1	50	1	50	431	12	0	42	42	17	438	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	20	0	0	5	71	1	14	1	14	443	18	0	50	39	11	441	25	9	53	27	10	446
B. good	63	0	0	14	64	8	36	0	0	446	63	3	55	37	5	443	54	6	55	30	9	445
C. fair	17	0	0	3	50	2	33	1	17	441	16	0	19	63	19	436	19	3	43	40	15	441
D. poor	0										2	0	0	50	50	434	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	26	0	0	5	56	3	33	1	11	441	30	3	48	38	10	441	22	5	45	35	15	442
B. about the same as my regular schoolwork	59	0	0	13	65	7	35	0	0	446	56	2	46	46	6	442	62	7	53	31	9	445
C. easier than my regular schoolwork	15	0	0	4	80	1	20	0	0	447	14	0	50	36	14	440	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	0										8	0	25	63	13	440	24	7	48	33	12	444
B. a few times a week	9	0	0	3	100	0	0	0	0	450	40	5	45	43	8	442	53	7	54	31	9	445
C. once a week	6	0	0	2	100	0	0	0	0	443	7	0	57	29	14	438	9	6	46	33	15	442
D. a few times a month	86	0	0	17	57	11	37	2	7	444	44	0	52	39	9	442	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	31	0	0	8	73	2	18	1	9	444	25	0	52	32	16	442	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	29	0	0	5	50	4	40	1	10	442	29	0	48	41	10	441	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	9	0	0	3	100	0	0	0	0	450	18	0	50	39	11	440	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	31	0	0	6	55	5	45	0	0	445	27	7	41	52	0	443	22	9	55	26	9	446
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	436	14	0	0	100	0	436						
B.	0										14	0	0	0	100	428						
C.	67	0	0	1	50	1	50	0	0	441	57	0	25	50	25	435						
D.	0										14	0	0	100	0	436						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number